

Application No. 08/685338
Page 2

Amendment After Final
Attorney Docket No. S63.2B-5902-US01

Amendments To The Claims:

Claims 1-47 (Canceled).

48. (Currently amended) A balloon for a medical device made by the method of:
forming a balloon for a medical device, the balloon being presterilized, wherein a tubing of a thermoplastic polymer material is radially expanded under a first elevated pressure at an elevated temperature to form the balloon at a first diameter, the thermoplastic polymer material being a block copolymer material and the method including the further step of annealing the balloon at a second elevated temperature less than the first elevated temperature and a second pressure ~~above ambient~~ and less than the first elevated pressure for a time sufficient to shrink the formed balloon to a second diameter less than the first diameter.

49. (Previously presented) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 12 atmospheres, a diameter at 3 atmospheres of from about 1.5 to about 3.0 mm, and a diameter growth of at least 0.25 mm over the range of 3-12 atm.

50. (Previously presented) A balloon as in claim 49 wherein said diameter growth is at least 0.5 mm.

51. (Previously presented) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 12 atmospheres, a diameter at 3 atmospheres of from about 3.25 to about 6.0 mm, and a diameter growth of at least 1.0 mm over the range of 3-12 atm.

52. (Previously presented) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 10 atmospheres, a diameter at 3 atmospheres of from about 6 to about 12 mm, and a diameter growth of at least 2 mm over the range of 3-10 atm.

***Application No. 08/685338
Page 3***

***Amendment After Final
Attorney Docket No. S63.2B-5902-US01***

53. (Previously presented) A balloon as in claim 48 having an operating pressure to which the balloon may be safely inflated without bursting of at least 9 atmospheres, a diameter at 3 atmospheres of from about 12 to about 30 mm, and a diameter growth of at least 3 mm over the range of 3-9 atm.

54. (Previously presented) A balloon as in claim 53 wherein said diameter growth is at least 4 mm.

Claims 55-66 (Canceled).